

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29422)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	709.6 lumens	Max Intensity:	3982.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	71.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23°H x 23°V	Field Angle (10%):	38.1°H x 38.1°V
Beam Lumens:	370.5 lumens	Field Lumens:	568.9 lumens
Beam Efficiency:	52.2%	Field Efficiency:	80.2%

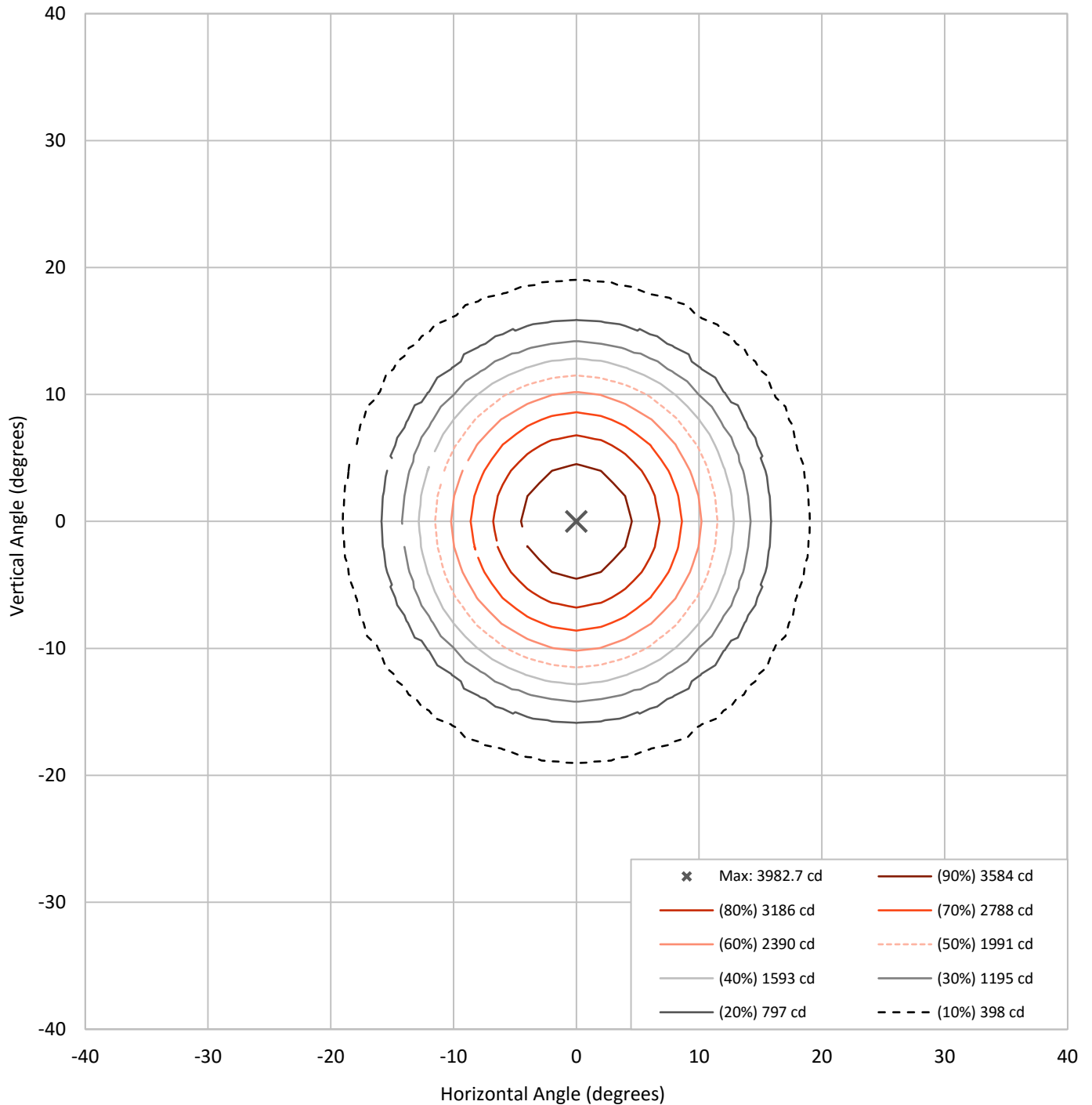
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

Iso-Candela Plot





REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

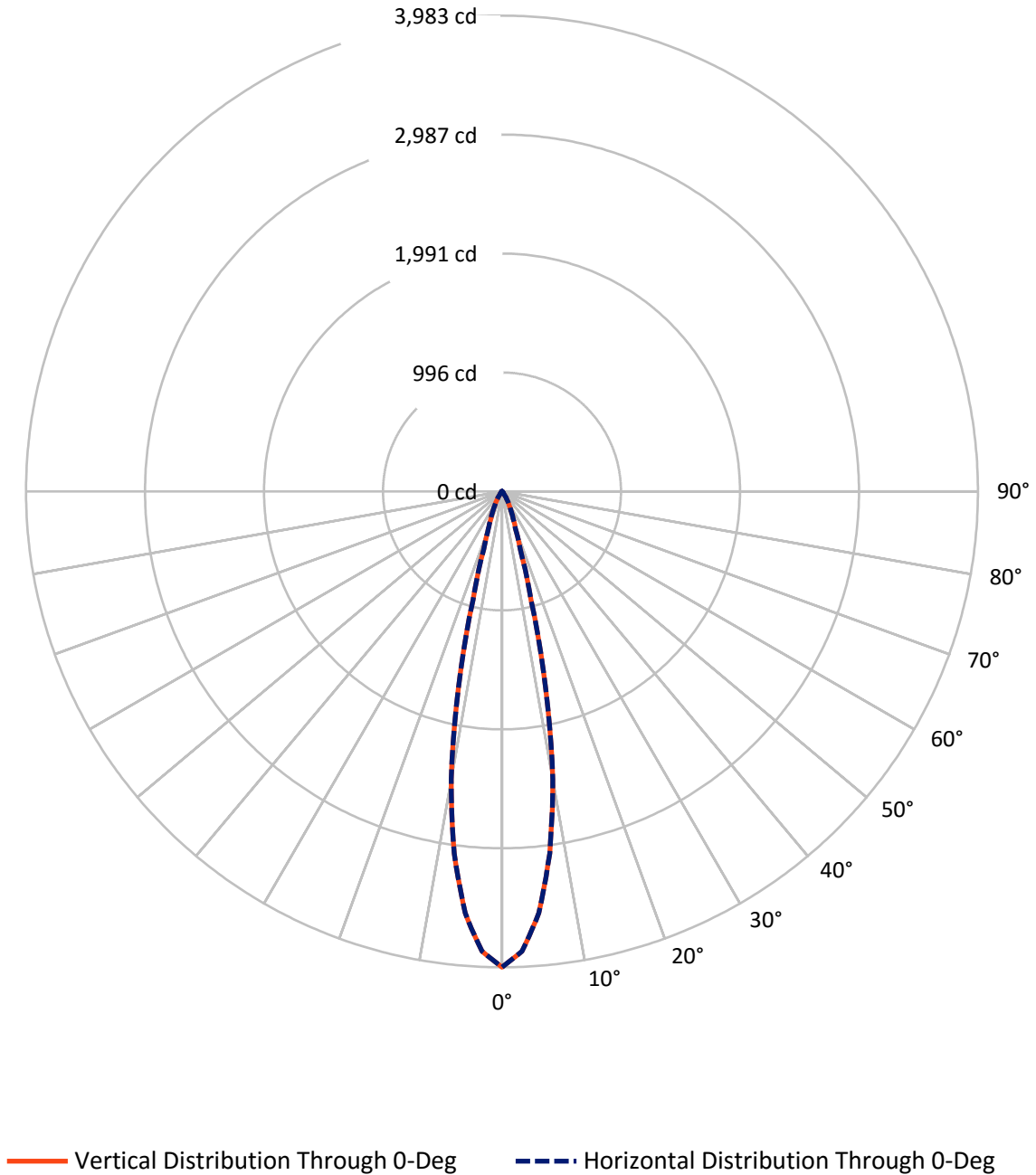
Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
60		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	
40		0.0	0.0	0.1	0.1	0.4	0.9	1.4	1.4	0.9	0.4	0.1	0.1	0.0		0.0
30	0.0	0.0	0.0	0.1	0.3	1.4	3.4	5.4	5.4	3.4	1.4	0.3	0.1	0.0	0.0	
20		0.0	0.0	0.1	0.8	3.2	9.6	27.6	27.6	9.6	3.2	0.8	0.1	0.0		0.0
10	0.0	0.0	0.0	0.2	1.2	4.9	26.9	88.2	88.2	26.9	4.9	1.2	0.2	0.0	0.0	
0		0.0	0.0	0.2	1.2	4.9	26.9	88.2	88.2	26.9	4.9	1.2	0.2	0.0		0.0
-10	0.0	0.0	0.0	0.1	0.8	3.2	9.6	27.6	27.6	9.6	3.2	0.8	0.1	0.0	0.0	
-20		0.0	0.0	0.1	0.3	1.4	3.4	5.4	5.4	3.4	1.4	0.3	0.1	0.0		0.0
-30	0.0	0.0	0.0	0.1	0.1	0.4	0.9	1.4	1.4	0.9	0.4	0.1	0.1	0.0	0.0	
-40		0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.2	0.1	0.1	0.0	0.0		0.0
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)

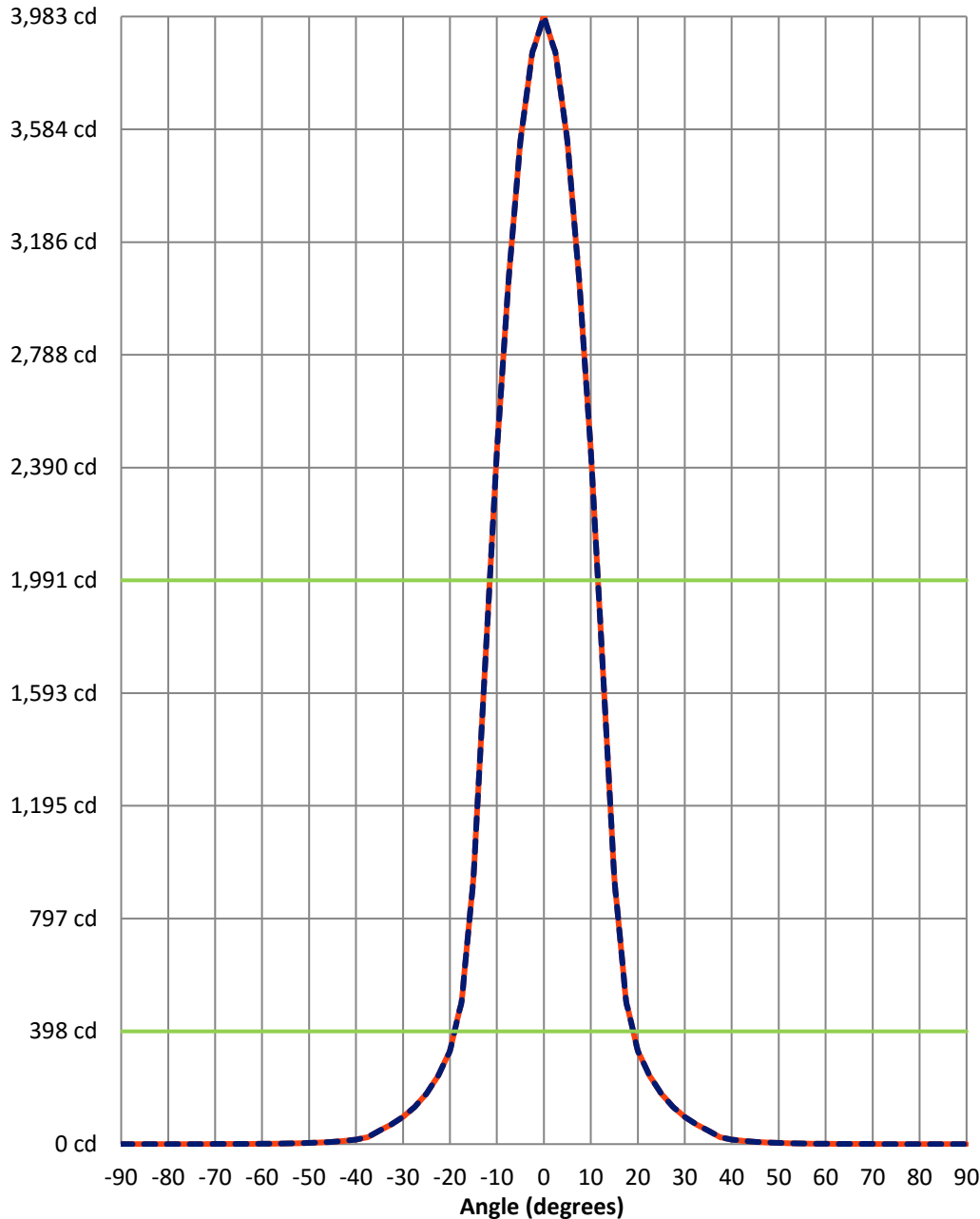
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 23°
 V Angle: 23°
 Lumens: 370.5
 Efficiency: 52.2%

Field:
 H Angle: 38.1°
 V Angle: 38.1°
 Lumens: 568.9
 Efficiency: 80.2%

Spill:
 Lumens: 140.7
 Efficiency: 19.8%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0	0	0	0	1
35°	0	0	0	0	0	0	0	0	0	0	1
32.5°	0	0	0	0	0	0	0	0	0	0	1
30°	0	0	0	0	0	0	0	0	0	1	1
27.5°	0	0	0	0	0	0	0	0	0	1	1
25°	0	0	0	0	0	0	0	0	0	1	1
22.5°	0	0	0	0	0	0	0	0	0	1	1
20°	0	0	0	0	0	0	0	0	0	1	1
17.5°	0	0	0	0	0	0	0	0	0	1	1
15°	0	0	0	0	0	0	0	0	1	1	1
12.5°	0	0	0	0	0	0	0	0	1	1	1
10°	0	0	0	0	0	0	0	0	1	1	1
7.5°	0	0	0	0	0	0	0	0	1	1	1
5°	0	0	0	0	0	0	0	0	1	1	1
2.5°	0	0	0	0	0	0	0	0	1	1	1
0°	0	0	0	0	0	0	0	0	1	1	1
-2.5°	0	0	0	0	0	0	0	0	1	1	1
-5°	0	0	0	0	0	0	0	0	1	1	1
-7.5°	0	0	0	0	0	0	0	0	1	1	1
-10°	0	0	0	0	0	0	0	0	1	1	1
-12.5°	0	0	0	0	0	0	0	0	1	1	1
-15°	0	0	0	0	0	0	0	0	1	1	1
-17.5°	0	0	0	0	0	0	0	0	0	1	1
-20°	0	0	0	0	0	0	0	0	0	1	1



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	0	0	0	0	0	0	0	0	1	1
-25°	0	0	0	0	0	0	0	0	0	1	1
-27.5°	0	0	0	0	0	0	0	0	0	1	1
-30°	0	0	0	0	0	0	0	0	0	1	1
-32.5°	0	0	0	0	0	0	0	0	0	0	1
-35°	0	0	0	0	0	0	0	0	0	0	1
-37.5°	0	0	0	0	0	0	0	0	0	0	1
-40°	0	0	0	0	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	1
62.5°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	0	0	1	1	1	1	1
57.5°	0	0	0	0	0	1	1	1	1	1	1
55°	0	0	0	0	1	1	1	1	1	1	1
52.5°	0	0	0	1	1	1	1	1	1	1	1
50°	0	0	1	1	1	1	1	1	1	1	1
47.5°	0	1	1	1	1	1	1	1	1	1	1
45°	0	1	1	1	1	1	1	1	1	1	2
42.5°	1	1	1	1	1	1	1	1	2	2	2
40°	1	1	1	1	1	1	1	1	2	2	3
37.5°	1	1	1	1	1	1	1	2	2	3	4
35°	1	1	1	1	1	1	2	2	3	4	5
32.5°	1	1	1	1	1	2	2	3	3	4	5
30°	1	1	1	1	1	2	2	3	4	5	7
27.5°	1	1	1	1	1	2	3	4	5	6	8
25°	1	1	1	1	2	2	3	4	5	7	9
22.5°	1	1	1	1	2	3	4	5	6	8	11
20°	1	1	1	1	2	3	4	5	7	9	13
17.5°	1	1	1	2	2	3	4	6	8	11	14
15°	1	1	1	2	2	3	5	6	8	12	16
12.5°	1	1	1	2	3	4	5	7	9	13	19
10°	1	1	1	2	3	4	5	7	10	14	21
7.5°	1	1	1	2	3	4	6	7	11	15	22
5°	1	1	1	2	3	4	6	8	11	15	24
2.5°	1	1	1	2	3	4	6	8	11	16	24
0°	1	1	1	2	3	4	6	8	12	16	25
-2.5°	1	1	1	2	3	4	6	8	11	16	24
-5°	1	1	1	2	3	4	6	8	11	15	24
-7.5°	1	1	1	2	3	4	6	7	11	15	22
-10°	1	1	1	2	3	4	5	7	10	14	21
-12.5°	1	1	1	2	3	4	5	7	9	13	19
-15°	1	1	1	2	2	3	5	6	8	12	16
-17.5°	1	1	1	2	2	3	4	6	8	11	14
-20°	1	1	1	1	2	3	4	5	7	9	13



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1	1	1	1	2	3	4	5	6	8	11
-25°	1	1	1	1	2	2	3	4	5	7	9
-27.5°	1	1	1	1	1	2	3	4	5	6	8
-30°	1	1	1	1	1	2	2	3	4	5	7
-32.5°	1	1	1	1	1	2	2	3	3	4	5
-35°	1	1	1	1	1	1	2	2	3	4	5
-37.5°	1	1	1	1	1	1	1	2	2	3	4
-40°	1	1	1	1	1	1	1	1	2	2	3
-42.5°	1	1	1	1	1	1	1	1	2	2	2
-45°	0	1	1	1	1	1	1	1	1	1	2
-47.5°	0	1	1	1	1	1	1	1	1	1	1
-50°	0	0	1	1	1	1	1	1	1	1	1
-52.5°	0	0	0	1	1	1	1	1	1	1	1
-55°	0	0	0	0	1	1	1	1	1	1	1
-57.5°	0	0	0	0	0	1	1	1	1	1	1
-60°	0	0	0	0	0	0	1	1	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	1
-65°	0	0	0	0	0	0	0	0	0	0	1
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	1	1	1
67.5°	0	0	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	2	2	2	2
52.5°	1	1	1	1	2	2	2	2	2	3	3
50°	1	2	2	2	2	3	3	3	3	4	4
47.5°	2	2	2	3	3	4	4	4	5	5	5
45°	2	3	3	4	4	5	5	6	6	7	7
42.5°	3	3	4	5	5	6	7	8	8	9	10
40°	4	4	5	6	7	8	9	11	12	13	14
37.5°	5	5	7	8	9	11	13	14	16	19	21
35°	6	7	8	10	12	14	17	21	24	30	36
32.5°	7	8	11	13	16	20	24	34	43	51	58
30°	8	11	13	17	22	30	43	54	63	72	80
27.5°	10	13	17	22	34	48	60	72	85	96	107
25°	12	16	22	34	50	64	79	94	110	127	143
22.5°	14	20	30	48	64	81	99	120	142	166	190
20°	17	24	43	60	79	99	124	151	183	218	250
17.5°	21	34	54	72	94	120	151	190	232	281	327
15°	24	43	63	85	110	142	183	232	291	358	456
12.5°	30	51	72	96	127	166	218	281	358	494	728
10°	36	58	80	107	143	190	250	327	456	728	1186
7.5°	41	63	87	117	157	212	284	381	602	1065	1703
5°	45	66	92	125	169	228	309	440	764	1390	2114
2.5°	47	69	95	130	176	238	325	488	895	1616	2362
0°	48	69	96	131	178	242	330	506	940	1695	2447
-2.5°	47	69	95	130	176	238	325	488	895	1616	2362
-5°	45	66	92	125	169	228	309	440	764	1390	2114
-7.5°	41	63	87	117	157	212	284	381	602	1065	1703
-10°	36	58	80	107	143	190	250	327	456	728	1186
-12.5°	30	51	72	96	127	166	218	281	358	494	728
-15°	24	43	63	85	110	142	183	232	291	358	456
-17.5°	21	34	54	72	94	120	151	190	232	281	327
-20°	17	24	43	60	79	99	124	151	183	218	250



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14	20	30	48	64	81	99	120	142	166	190
-25°	12	16	22	34	50	64	79	94	110	127	143
-27.5°	10	13	17	22	34	48	60	72	85	96	107
-30°	8	11	13	17	22	30	43	54	63	72	80
-32.5°	7	8	11	13	16	20	24	34	43	51	58
-35°	6	7	8	10	12	14	17	21	24	30	36
-37.5°	5	5	7	8	9	11	13	14	16	19	21
-40°	4	4	5	6	7	8	9	11	12	13	14
-42.5°	3	3	4	5	5	6	7	8	8	9	10
-45°	2	3	3	4	4	5	5	6	6	7	7
-47.5°	2	2	2	3	3	4	4	4	5	5	5
-50°	1	2	2	2	2	3	3	3	3	4	4
-52.5°	1	1	1	1	2	2	2	2	2	3	3
-55°	1	1	1	1	1	1	1	2	2	2	2
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	0	0	1	1	1	1	1	1	1	1	1
-70°	0	0	0	0	0	0	0	0	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	1	1	1	1	1	1	1	1	1	1	0
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	2	2	2	2	2	2	2	2	2	2	2
52.5°	3	3	3	3	3	3	3	3	3	2	2
50°	4	4	4	4	4	4	4	4	4	3	3
47.5°	6	6	6	6	6	6	6	5	5	5	4
45°	7	8	8	8	8	8	7	7	7	6	6
42.5°	11	11	11	12	11	11	11	10	9	8	8
40°	15	15	16	16	16	15	15	14	13	12	11
37.5°	22	24	24	25	24	24	22	21	19	16	14
35°	41	45	47	48	47	45	41	36	30	24	21
32.5°	63	66	69	69	69	66	63	58	51	43	34
30°	87	92	95	96	95	92	87	80	72	63	54
27.5°	117	125	130	131	130	125	117	107	96	85	72
25°	157	169	176	178	176	169	157	143	127	110	94
22.5°	212	228	238	242	238	228	212	190	166	142	120
20°	284	309	325	330	325	309	284	250	218	183	151
17.5°	381	440	488	506	488	440	381	327	281	232	190
15°	602	764	895	940	895	764	602	456	358	291	232
12.5°	1065	1390	1616	1695	1616	1390	1065	728	494	358	281
10°	1703	2114	2362	2447	2362	2114	1703	1186	728	456	327
7.5°	2281	2702	2966	3055	2966	2702	2281	1703	1065	602	381
5°	2702	3151	3438	3543	3438	3151	2702	2114	1390	764	440
2.5°	2966	3438	3747	3852	3747	3438	2966	2362	1616	895	488
0°	3055	3543	3852	3983	3852	3543	3055	2447	1695	940	506
-2.5°	2966	3438	3747	3852	3747	3438	2966	2362	1616	895	488
-5°	2702	3151	3438	3543	3438	3151	2702	2114	1390	764	440
-7.5°	2281	2702	2966	3055	2966	2702	2281	1703	1065	602	381
-10°	1703	2114	2362	2447	2362	2114	1703	1186	728	456	327
-12.5°	1065	1390	1616	1695	1616	1390	1065	728	494	358	281
-15°	602	764	895	940	895	764	602	456	358	291	232
-17.5°	381	440	488	506	488	440	381	327	281	232	190
-20°	284	309	325	330	325	309	284	250	218	183	151



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	212	228	238	242	238	228	212	190	166	142	120
-25°	157	169	176	178	176	169	157	143	127	110	94
-27.5°	117	125	130	131	130	125	117	107	96	85	72
-30°	87	92	95	96	95	92	87	80	72	63	54
-32.5°	63	66	69	69	69	66	63	58	51	43	34
-35°	41	45	47	48	47	45	41	36	30	24	21
-37.5°	22	24	24	25	24	24	22	21	19	16	14
-40°	15	15	16	16	16	15	15	14	13	12	11
-42.5°	11	11	11	12	11	11	11	10	9	8	8
-45°	7	8	8	8	8	8	7	7	7	6	6
-47.5°	6	6	6	6	6	6	6	5	5	5	4
-50°	4	4	4	4	4	4	4	4	4	3	3
-52.5°	3	3	3	3	3	3	3	3	3	2	2
-55°	2	2	2	2	2	2	2	2	2	2	2
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	0	0	0	0	0	0
65°	1	1	1	1	1	1	1	1	0	0	0
62.5°	1	1	1	1	1	1	1	1	1	1	0
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
52.5°	2	2	2	1	1	1	1	1	1	1	1
50°	3	3	2	2	2	2	1	1	1	1	1
47.5°	4	4	3	3	2	2	2	1	1	1	1
45°	5	5	4	4	3	3	2	2	1	1	1
42.5°	7	6	5	5	4	3	3	2	2	2	1
40°	9	8	7	6	5	4	4	3	2	2	1
37.5°	13	11	9	8	7	5	5	4	3	2	2
35°	17	14	12	10	8	7	6	5	4	3	2
32.5°	24	20	16	13	11	8	7	5	4	3	3
30°	43	30	22	17	13	11	8	7	5	4	3
27.5°	60	48	34	22	17	13	10	8	6	5	4
25°	79	64	50	34	22	16	12	9	7	5	4
22.5°	99	81	64	48	30	20	14	11	8	6	5
20°	124	99	79	60	43	24	17	13	9	7	5
17.5°	151	120	94	72	54	34	21	14	11	8	6
15°	183	142	110	85	63	43	24	16	12	8	6
12.5°	218	166	127	96	72	51	30	19	13	9	7
10°	250	190	143	107	80	58	36	21	14	10	7
7.5°	284	212	157	117	87	63	41	22	15	11	7
5°	309	228	169	125	92	66	45	24	15	11	8
2.5°	325	238	176	130	95	69	47	24	16	11	8
0°	330	242	178	131	96	69	48	25	16	12	8
-2.5°	325	238	176	130	95	69	47	24	16	11	8
-5°	309	228	169	125	92	66	45	24	15	11	8
-7.5°	284	212	157	117	87	63	41	22	15	11	7
-10°	250	190	143	107	80	58	36	21	14	10	7
-12.5°	218	166	127	96	72	51	30	19	13	9	7
-15°	183	142	110	85	63	43	24	16	12	8	6
-17.5°	151	120	94	72	54	34	21	14	11	8	6
-20°	124	99	79	60	43	24	17	13	9	7	5



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	99	81	64	48	30	20	14	11	8	6	5
-25°	79	64	50	34	22	16	12	9	7	5	4
-27.5°	60	48	34	22	17	13	10	8	6	5	4
-30°	43	30	22	17	13	11	8	7	5	4	3
-32.5°	24	20	16	13	11	8	7	5	4	3	3
-35°	17	14	12	10	8	7	6	5	4	3	2
-37.5°	13	11	9	8	7	5	5	4	3	2	2
-40°	9	8	7	6	5	4	4	3	2	2	1
-42.5°	7	6	5	5	4	3	3	2	2	2	1
-45°	5	5	4	4	3	3	2	2	1	1	1
-47.5°	4	4	3	3	2	2	2	1	1	1	1
-50°	3	3	2	2	2	2	1	1	1	1	1
-52.5°	2	2	2	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	0
-65°	1	1	1	1	1	1	1	1	0	0	0
-67.5°	1	1	1	1	1	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	1	0	0	0	0	0	0	0	0	0	0
57.5°	1	1	0	0	0	0	0	0	0	0	0
55°	1	1	1	0	0	0	0	0	0	0	0
52.5°	1	1	1	1	0	0	0	0	0	0	0
50°	1	1	1	1	1	0	0	0	0	0	0
47.5°	1	1	1	1	1	1	0	0	0	0	0
45°	1	1	1	1	1	1	0	0	0	0	0
42.5°	1	1	1	1	1	1	1	0	0	0	0
40°	1	1	1	1	1	1	1	0	0	0	0
37.5°	1	1	1	1	1	1	1	1	0	0	0
35°	2	1	1	1	1	1	1	1	0	0	0
32.5°	2	2	1	1	1	1	1	1	0	0	0
30°	2	2	1	1	1	1	1	1	1	0	0
27.5°	3	2	1	1	1	1	1	1	1	0	0
25°	3	2	2	1	1	1	1	1	1	0	0
22.5°	4	3	2	1	1	1	1	1	1	0	0
20°	4	3	2	1	1	1	1	1	1	0	0
17.5°	4	3	2	2	1	1	1	1	1	0	0
15°	5	3	2	2	1	1	1	1	1	1	0
12.5°	5	4	3	2	1	1	1	1	1	1	0
10°	5	4	3	2	1	1	1	1	1	1	0
7.5°	6	4	3	2	1	1	1	1	1	1	0
5°	6	4	3	2	1	1	1	1	1	1	0
2.5°	6	4	3	2	1	1	1	1	1	1	0
0°	6	4	3	2	1	1	1	1	1	1	0
-2.5°	6	4	3	2	1	1	1	1	1	1	0
-5°	6	4	3	2	1	1	1	1	1	1	0
-7.5°	6	4	3	2	1	1	1	1	1	1	0
-10°	5	4	3	2	1	1	1	1	1	1	0
-12.5°	5	4	3	2	1	1	1	1	1	1	0
-15°	5	3	2	2	1	1	1	1	1	1	0
-17.5°	4	3	2	2	1	1	1	1	1	0	0
-20°	4	3	2	1	1	1	1	1	1	0	0



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4	3	2	1	1	1	1	1	1	0	0
-25°	3	2	2	1	1	1	1	1	1	0	0
-27.5°	3	2	1	1	1	1	1	1	1	0	0
-30°	2	2	1	1	1	1	1	1	1	0	0
-32.5°	2	2	1	1	1	1	1	1	0	0	0
-35°	2	1	1	1	1	1	1	1	0	0	0
-37.5°	1	1	1	1	1	1	1	1	0	0	0
-40°	1	1	1	1	1	1	1	0	0	0	0
-42.5°	1	1	1	1	1	1	1	0	0	0	0
-45°	1	1	1	1	1	1	0	0	0	0	0
-47.5°	1	1	1	1	1	1	0	0	0	0	0
-50°	1	1	1	1	1	0	0	0	0	0	0
-52.5°	1	1	1	1	0	0	0	0	0	0	0
-55°	1	1	1	0	0	0	0	0	0	0	0
-57.5°	1	1	0	0	0	0	0	0	0	0	0
-60°	1	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0



REPORT NUMBER: P220413 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0
-32.5°	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)